SAMSUNG

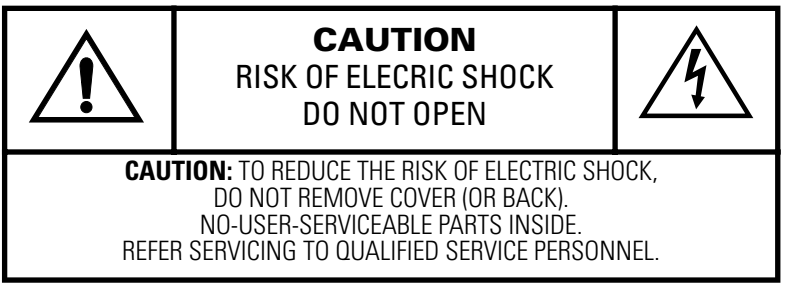
SyncMaster 550v

Color Monitor

Owner's Instructions

Safety Instructions

1. Before connecting the AC power cord to an outlet, make sure the voltage designation on your monitor corresponds to the local electrical supply.
2. Never insert anything metallic into the monitor openings. Doing so may create the danger of electric shock.
3. To avoid electric shock, never touch the inside of the monitor. Only a qualified technician should open the monitor's case.
4. Never use your monitor if the power cord has been damaged. Do not allow anything to rest on the power cord, and keep the cord away from areas where people can trip over it.
5. Be sure to hold the plug, not the cord, when disconnecting the monitor from an electric socket.
6. Openings in the monitor cabinet are provided for ventilation. To prevent overheating, these openings should not be blocked or covered. Also, avoid using the monitor on a bed, sofa, rug, or other soft surface. Doing so may block the ventilation openings in the bottom of the cabinet. If you put the monitor in a bookcase or some other enclosed space, be sure to provide adequate ventilation.
7. Put your monitor in a location with low humidity and a minimum of dust.
8. Do not expose the monitor to rain or use it near water (in kitchens, near swimming pools, etc.). If the monitor accidentally gets wet, unplug it and contact an authorized dealer immediately. You can clean the monitor with a damp cloth when necessary, but be sure to unplug the monitor first.
9. Place the monitor on a solid surface and treat it carefully. The screen is made of glass and can be damaged if dropped, hit or scratched.
10. Locate your monitor near an easily accessible AC outlet.
11. If your monitor does not operate normally – in particular, if there are any unusual sounds or smells coming from it – unplug it immediately and contact an authorized dealer or service center.
12. High temperatures can cause problems. Don't use your monitor in direct sunlight, and keep it away from heaters, stoves, fireplaces, and other sources of heat.
13. Unplug the monitor when it is going to be left unused for an extended period of time.
14. Unplug your monitor from the AC outlet before any service.


CAUTION
RISK OF ELECRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO-USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

English

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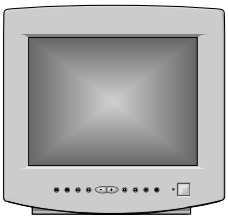
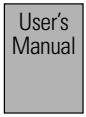
Your New Monitor

Please make sure the following items are included with your monitor. If any items are missing, contact your dealer.



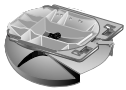
Monitor



This manual

Warranty card
(not available in all locations)

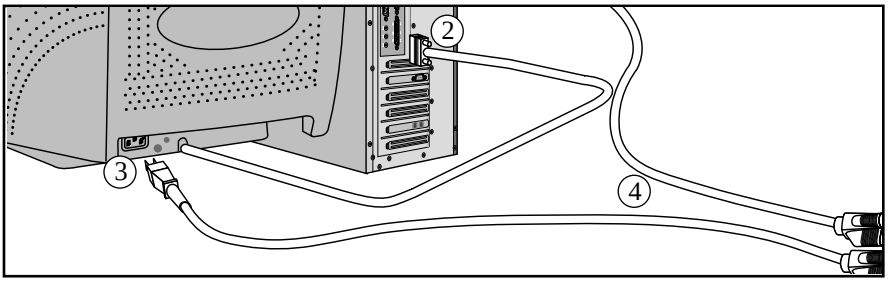
Display Driver Diskette
(not available in all locations)



Stand

Power cord

Connecting Your Monitor



1 Turn off your computer and unplug the power cord.

2 **Signal cable**
Connect the end of the signal cable to your computer's video port. If you are using a Macintosh computer, connect the cable to a Macintosh adapter, and set the pins on your adapter (adapter not included). A PC-compatible computer does not need an adapter.

3 **Power port**
Connect the power cord for your monitor to the power port on the back of the monitor.

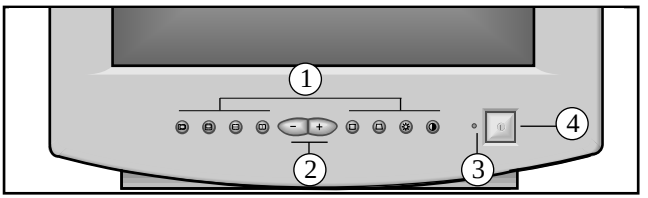
4 **Power cords**
Plug the power cord for the monitor and the power cord for your computer into a nearby outlet.

5 Turn on your computer and monitor. If your monitor displays an image, installation is complete.

6 **Install the monitor driver**

- Insert the provided diskette into the A drive.
- Double click the "install.exe" file.

The Front Panel



1 **Monitor control buttons**
All adjustments to the image display are made using these control buttons, including control of the screen display area shape and the display image.

2 **Adjustment buttons**
The decrease (–) button lowers the value of the selected function. The increase (+) button raises the value of the selected function.

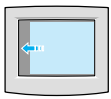
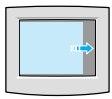
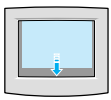
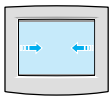
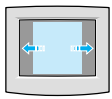
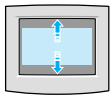
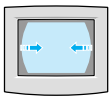
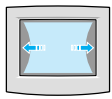
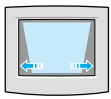
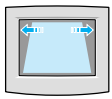
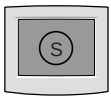
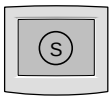
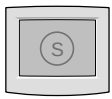
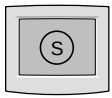
3 **Power indicator**
This light glows green during normal operation. It also blinks when a function button is pressed, or while a function setting is being automatically saved.

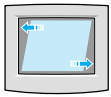
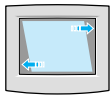
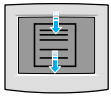
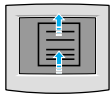
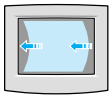
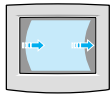
4 **Power button**
Turns the monitor on and off.

Monitor Control Buttons

1 Press the desired control button once. (Some controls require that two buttons be pressed simultaneously.) See the following tables for descriptions of button functions.

2 Use the adjustment buttons (+, –) to increase or decrease the adjustment. The power indicator light blinks rapidly when a maximum setting is reached.

Button	Control	Adjustment Effect	
☞ Press Once		–	+
	Horizontal Position Horizontal screen position. – moves screen left + moves screen right		
	Vertical Position Vertical screen position. – moves screen down + moves screen up		
	Horizontal Size Horizontal screen size. – decreases size of screen image + increases size of screen image		
	Vertical Size Vertical screen size – decrease size of screen image + increases size of screen image		
	Pincushion Straightness of vertical edges. – curves image inward + curves image outward		
	Trapezoid Width of top & bottom of screen. – widens bottom of screen image + widens top of screen image		
	Brightness Background brightness of screen. – decreases brightness of screen + increases brightness of screen		
	Contrast Contrast of screen image. – decreases contrast of screen image + increases contrast of screen image		

Buttons	Control	Adjustment Effect	
☞ **Press both & Hold for 3 seconds**		**–**	**+**
AND	Parallelogram Skews screen image. – skews to left + skews to right		
AND	V-linearity Compression of image on screen. – compresses bottom of screen + compresses top of screen		
AND	Pinbalance Curves of vertical lines. – curves lines to left + curves lines to right		
AND	V-moire Corrects for moiré pattern on screen. – Vertical moire correction off + Vertical moire correction on		
AND	Degauss Removes color distortion caused by magnetic fields. Press brightness and contrast buttons once. Do not use more than once in 30 minutes.		
AND	Recall Returns monitor controls to original settings. Press and hold trapezoid and contrast buttons for 3 seconds.		
AND	User Delete Resets data in monitor's memory. Press and hold pincushion and contrast buttons for at least 5 seconds.		

Note: When you are finished adjusting your monitor using the control buttons, the power indicator light will blink once as the monitor automatically saves your changes.

Troubleshooting

Before calling for service, check the information in this section to see if you can solve the problem yourself. If you do need assistance, please call the phone number on the warranty card, the phone number on the back cover of this manual, or contact your dealer.

There is no screen image.

- Check to see that both the monitor and the computer are plugged in and turned on (page 2).

Screen image area is lightened but no image appears.

- Check the signal cable connection between the computer and the monitor (page 2).

The screen image is too light or too dark.

- Adjust the brightness or contrast settings (page 3).

The screen image is too large or too small.

- Adjust the size settings (page 3).

The colors are distorted with dark or shadowed areas.

- Activate the degauss feature (page 4).

The power indicator light blinks every 0.5 or 1 seconds.

- The monitor is using its power management system (see "PowerSaver" on page 5).

There is no screen image and the power indicator light blinks every 0.25 seconds.

- The input signal frequency is over or under the synchronization range of the monitor, see "Specifications" on page 6.

You need the monitor driver software.

- Download the driver from the internet at http://www.samsungelectronics.com/support/downloads/monitor/index.html

PowerSaver

This monitor has a built-in power management system called PowerSaver. This system saves energy by switching your monitor into a low-power mode when it has not been used for a certain amount of time. The monitor automatically returns to normal operation when you move the computer's mouse or press a key on the keyboard. For energy conservation, turn your monitor OFF when it is not needed, or when leaving it unattended for long periods. The PowerSaver system operates with a VESA DPMS compliant video card installed in your computer. Use a software utility installed on your computer to set up this feature.

State	Normal operation	Power saving function modes EPA/NUTEK		
		Standby mode	Suspend mode Position A1	Power-off mode Position A2
Power Indicator	Green	Green Blinking (0.5 sec. interval)	Green Blinking (0.5 sec. interval)	Green Blinking (1 sec. interval)
Power Consumption	75W (maximum) 65W (nominal)	50W (nominal)	Less than 15W	Less than 3W

Note: This monitor is EPA ENERGY STAR® compliant and NUTEK compliant when used with a computer equipped with VESA DPMS functionality.

Specifications

Specification	Model: SyncMaster 550v
Picture Tube	■ 15" (38 cm) Full square type (35 cm viewable) ■ 90° deflection ■ Dot pitch : 0.24 mm (H) / 0.14 mm (V) ■ Glare / Silica coated ■ Medium-short persistence phosphor
Synchronization	■ Horizontal: 30 - 55 kHz ■ Vertical: 50 - 120 Hz
Display Colors	■ Unlimited
Maximum Resolution	■ 1024 dots ■ 768 lines
Active Display	■ Horizontal: 10.5 ± 0.16 inch (267 ± 4 mm) ■ Vertical: 7.9 ± 0.16 inch (200 ± 4 mm)
Input Signal, Terminated	■ Video: Analog 0.7 Vpp positive at 75 ohms ■ Sync.: Separate sync, TTL level, positive or negative
Maximum Pixel Clock	■ 65 MHz
Power Supply	■ AC 100 - 240 V ± 10%, 60 Hz / 50 Hz ± 3 Hz
Power Consumption	■ 75 W maximum (65 W Nominal)
Dimensions / Weight (WxDxH)	■ Unit: 14.25 x 15.12 x 15.12 inch / 26.5 lbs (362 x 384 x 384 mm /12.0 kg) ■ Carton: 17.87 x 19.57 x 17.52 inch / 31.5 lbs (454 x 497 x 445 mm /14.3 kg)
Environmental Considerations	■ Operating Temperature : 32° F ~ 104°F (0° C ~ 40°C) Humidity : 10% ~ 80% ■ Storage temperature : -4° F ~113°F (-20° C ~ 45°C) Humidity : 5% ~ 95%

Design and specifications are subject to change without notice.

Display Modes

Display Mode	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock (MHz)	Sync Polarity (H/V)
IBM, VGA2, 720 x 400	31.469	70.087	28.322	–/+
IBM, VGA2, 640 x 480	31.469	59.940	25.175	–/–
VESA, 640 x 480	37.500	75.000	31.500	–/–
VESA, 640 x 480	43.269	85.008	36.000	–/–
VESA, 800 x 600	46.875	75.000	49.500	+/+
VESA, 800 x 600	53.674	85.061	56.250	+/+
VESA, 1024 x 768	48.363	60.004	65.000	–/–

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FCC Information

User Instructions

The Federal Communications Commission Radio Frequency Interference Statement includes the following warning:

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television receptions, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

User Information

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

If necessary, consult your dealer or an experienced radio/television technician for additional suggestions. You may find the booklet called How to Identify and Resolve Radio/TV Interference Problems helpful. This booklet was prepared by the Federal Communications Commission. It is available from the U.S. Government Printing Office, Washington, DC 20402, Stock Number 004-000-00345-4.

Warning

User must use shielded signal interface cables to maintain FCC compliance for the product.

Declaration of conformity for products Marked with FCC Logo

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The party responsible for product compliance:

SAMSUNG ELECTRONICS CO., LTD
America QA Lab of Samsung
85 West Tasman Drive
San Jose, CA 95134 USA
Tel) 408-544-5124
Fax) 408-544-5191

Provided with this monitor is a detachable power supply cord with IEC320 style terminations. It may be suitable for connection to any UL Listed personal computer with similar configuration. Before making the connection, make sure the voltage rating of the computer convenience outlet is the same as the monitor and that the ampere rating of the computer convenience outlet is equal to or exceeds the monitor voltage rating.

For 120 Volt applications, use only UL Listed detachable power cord with NEMA configuration 5-15P type (parallel blades) plug cap. For 240 Volt applications use only UL Listed Detachable power supply cord with NEMA configuration 6-15P type (tandem blades) plug cap.

IC Compliance Notice

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations of ICES-003.

Cet appareil Numérique de classe B respecte toutes les exigences du Règlemont ICES-003 sur les équipements produisant des interférences au Canada.

MPR II Compliance

This monitor complies with SWEDAC(MPR II) recommendations for reduced electric and magnetic fields.

European Notice

Products with the CE Marking comply with both the EMC Directive (89/336/EEC), (92/31/EEC), (93/68/EEC) and the Low Voltage Directive (73/23/EEC) issued by the Commission of the European Community. Compliance with these directives implies conformity to the following European Norms:

- EN55022 (CISPR 22) – Radio Frequency Interference
- EN50082-1 : 1992 – Electromagnetic Immunity
- EN60555-2 (IEC555-2) – Power Line Harmonics
- EN60555-3 (IEC555-3) – Voltage Fluctuations
- EN60950 (IEC950) – Product Safety.

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Tel. : 167-010740

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Servicios Samsung (Zona Libre), S.A.
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Bdl. Don Camilo, Panama City
Tel. : (507) 264-0195 or 269-5571
Fax : (507) 269-5568

MEXICO
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